

Fig. 1

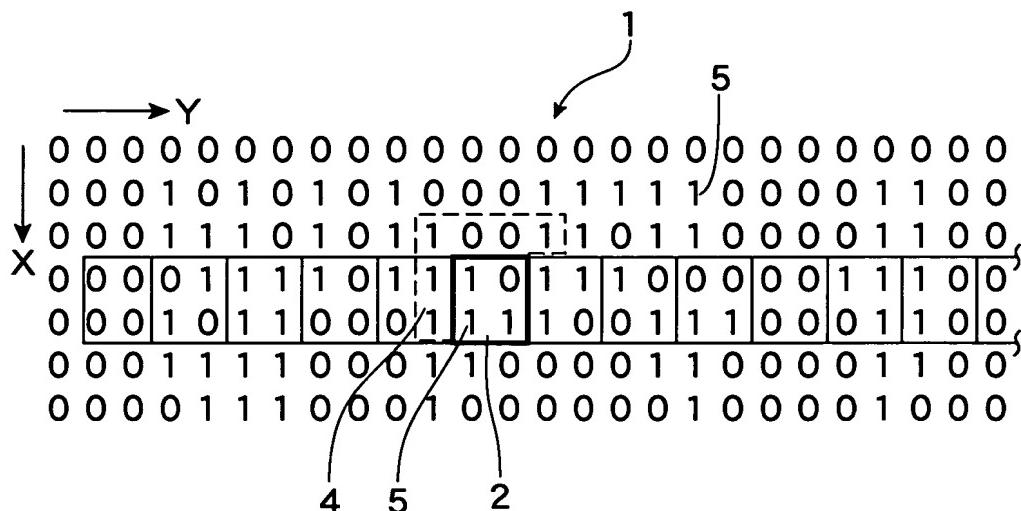


Fig. 2

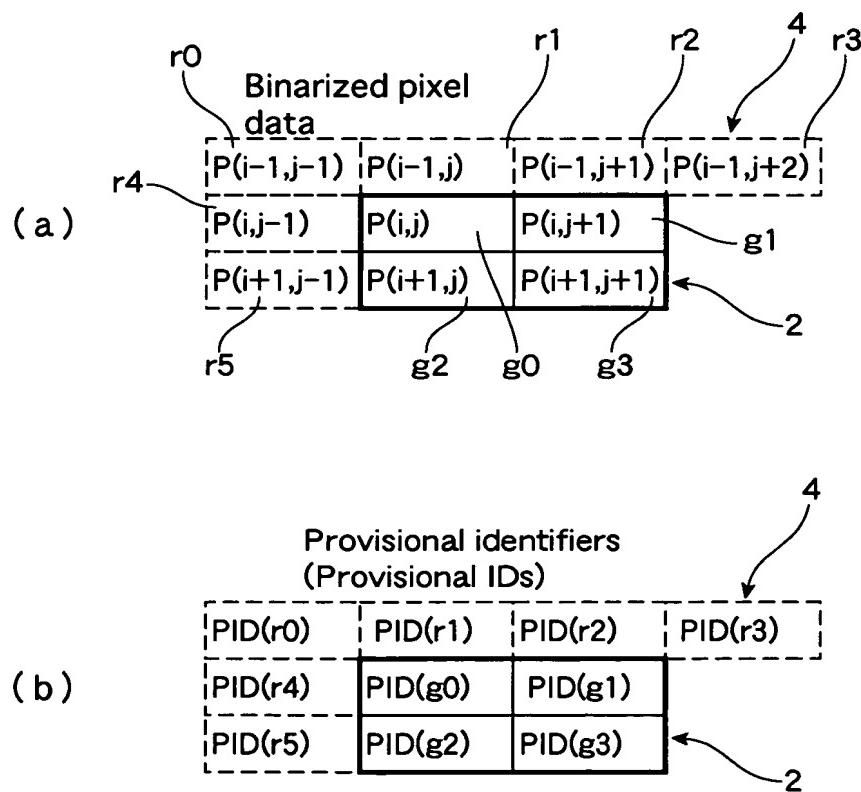


Fig. 3

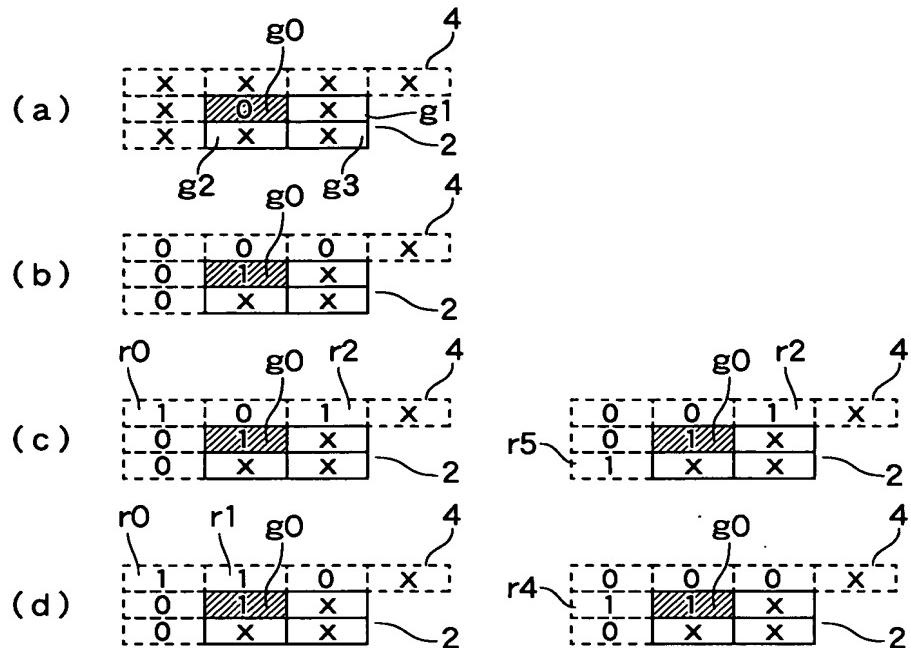


Fig. 4

Pixel block		Adjacent pixel group									
$P(i, j)$	$P(i, j+1)$	$P(i+1, j)$	$P(i+1, j+1)$	$P(i-1, j-1)$	$P(i-1, j)$	$P(i-1, j+1)$	$P(i-1, j+2)$	$P(i, j-1)$	$P(i+1, j-1)$		
0	0	0	0	0	0	0	0	0	0	0	NoP
1	0	X	X	1	1	1	0	1	1	Combination #1	
1	1	X	X	1	1	1	1	1	1	Combination # 2	
0	1	0	X	0	1	1	1	0	0	Combination # 3	
0	1	1	X	0	1	1	1	1	1	Combination # 4	
0	0	1	X	0	0	0	0	1	1	Combination # 5	
0	0	0	1	0	0	0	0	0	0	New label	

Fig. 5

Fig. 6

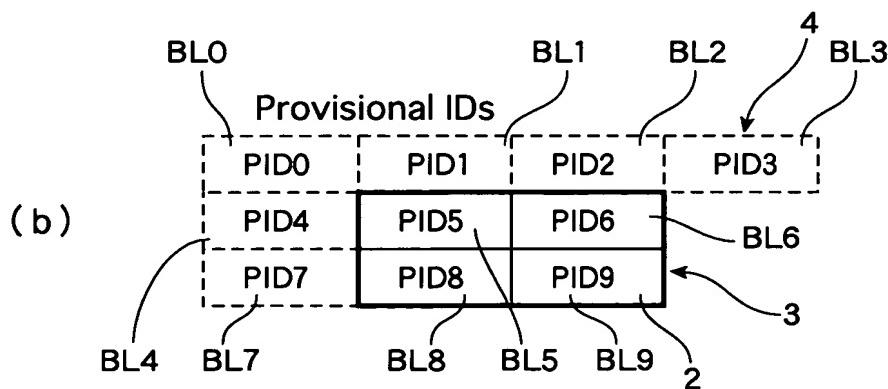
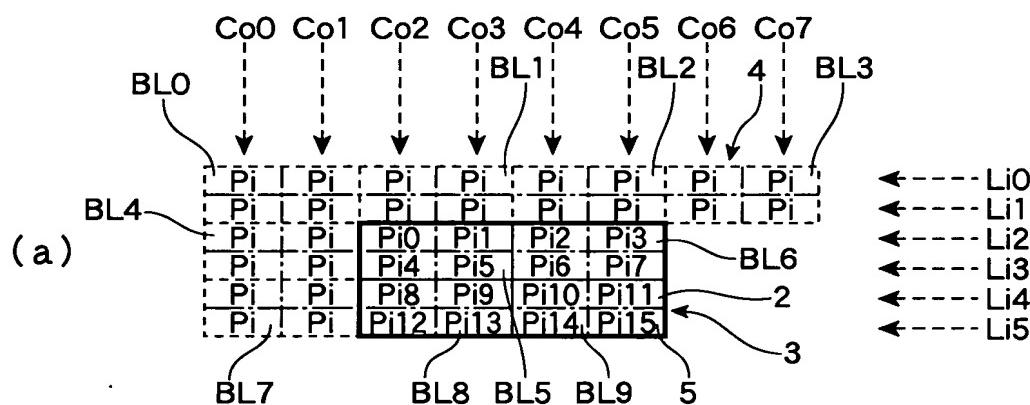


Fig. 7

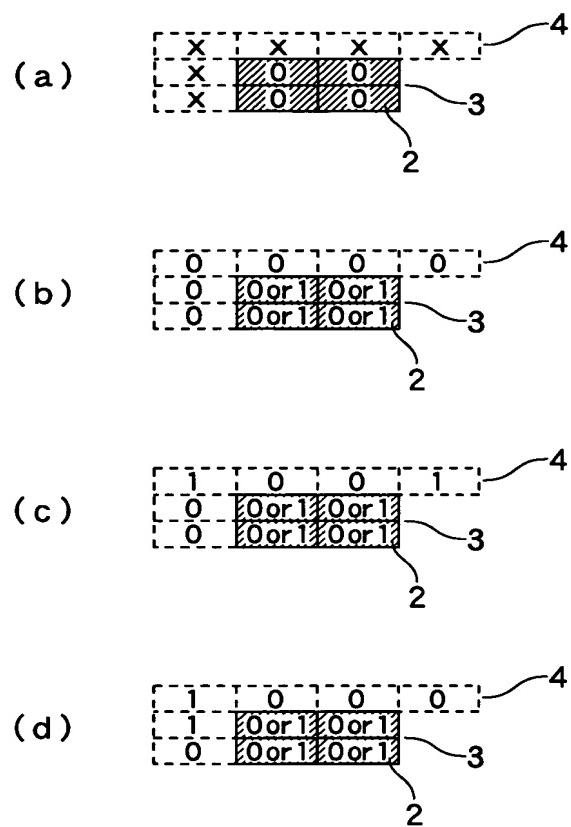


Fig. 8

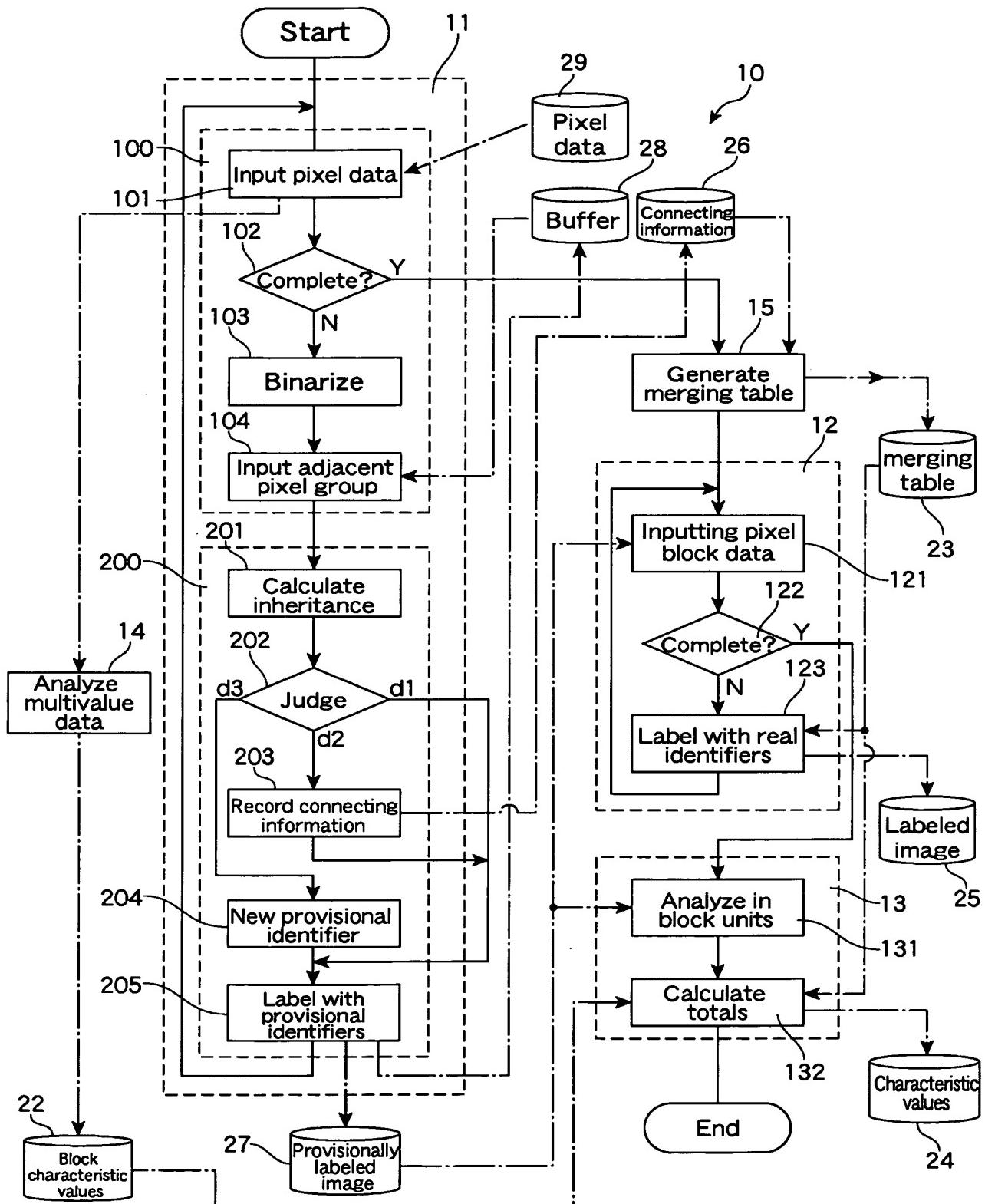


Fig. 9

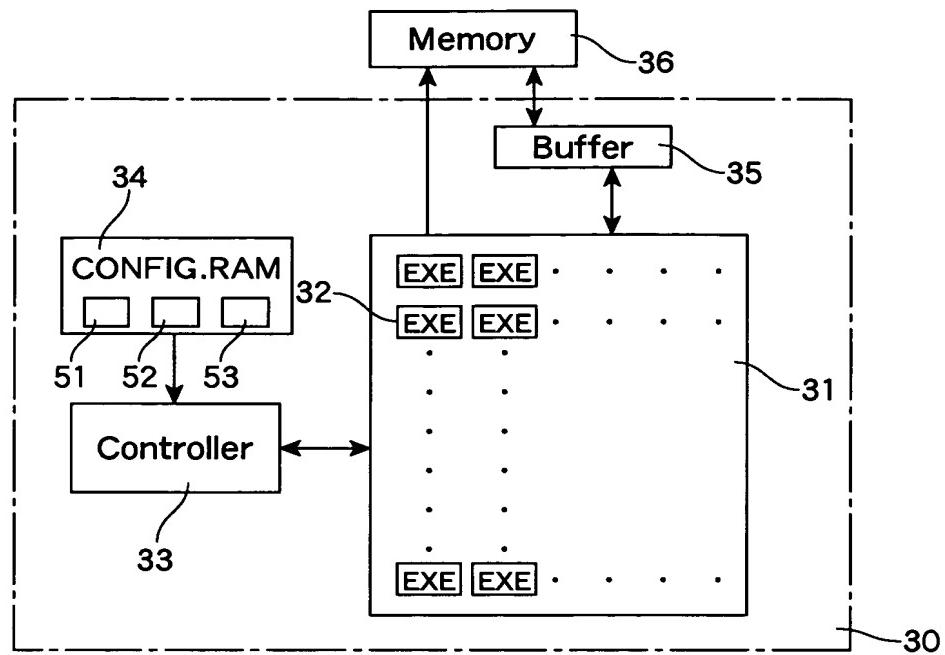
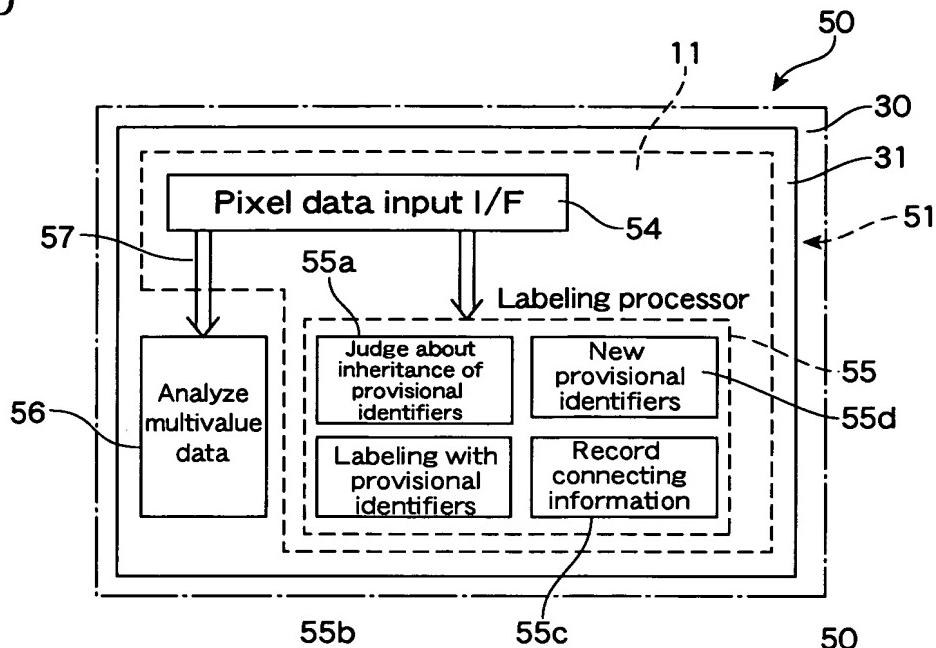
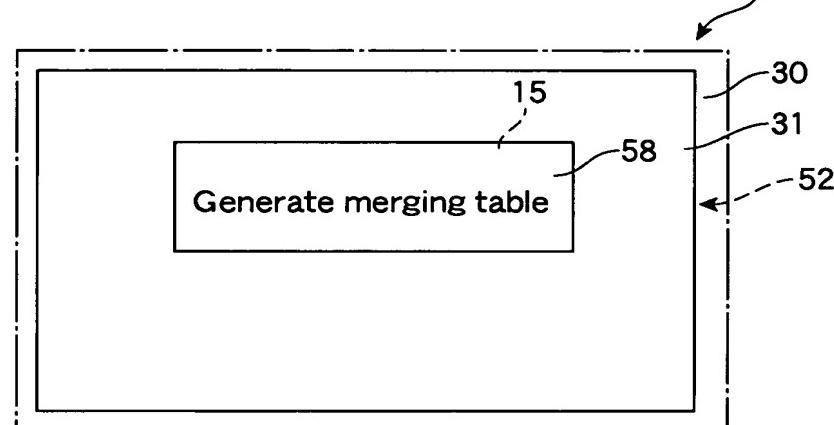


Fig. 10

(a)



(b)



(c)

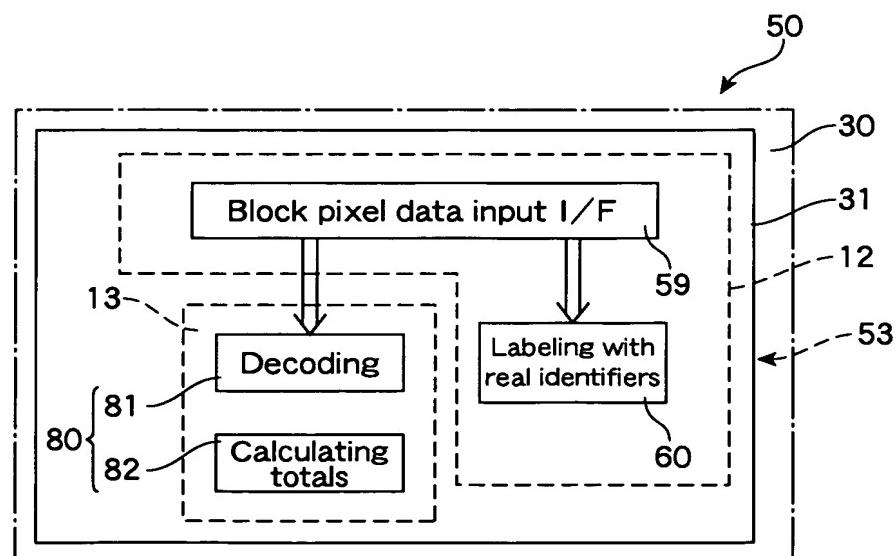


Fig. 11

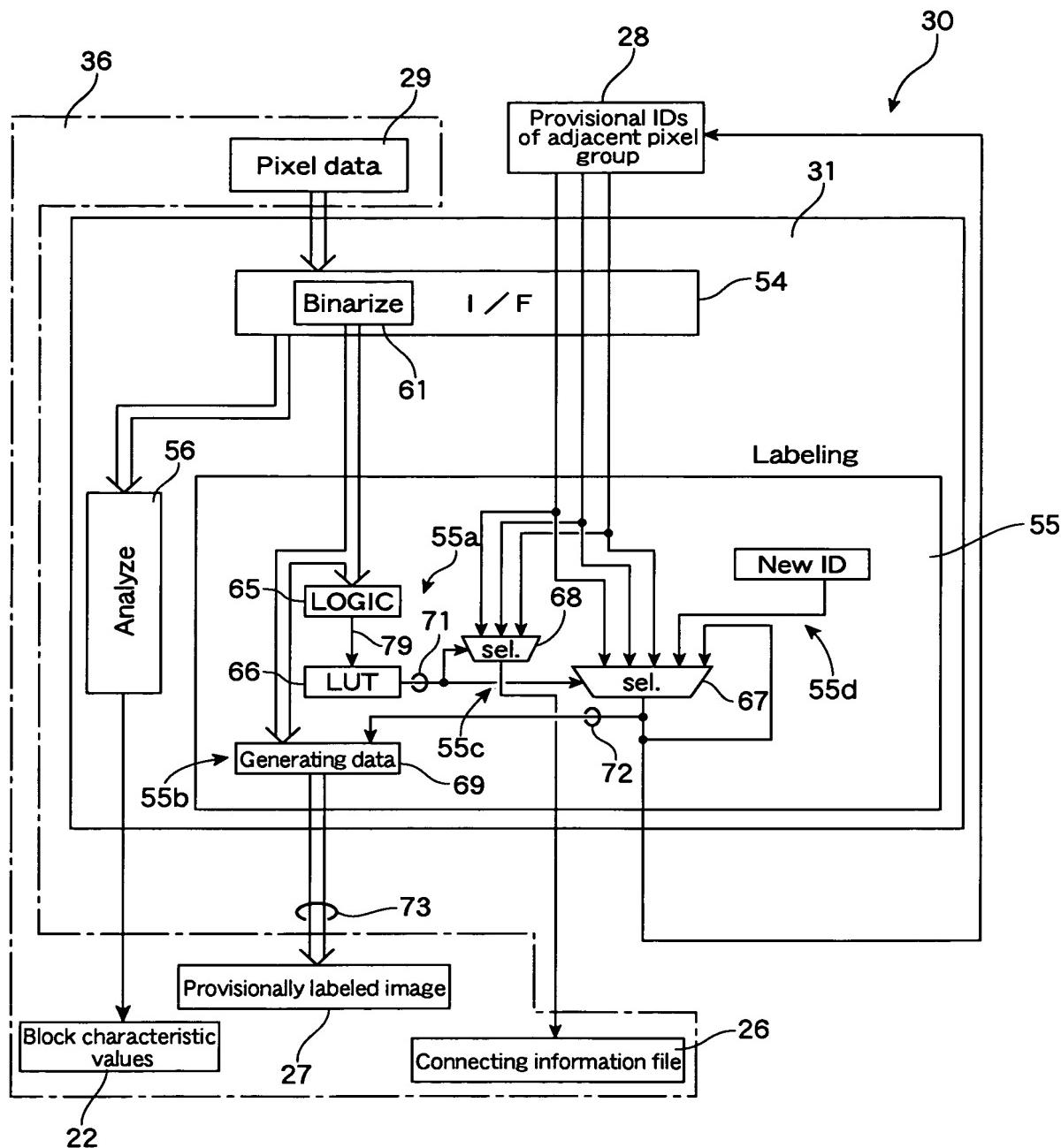


Fig. 12

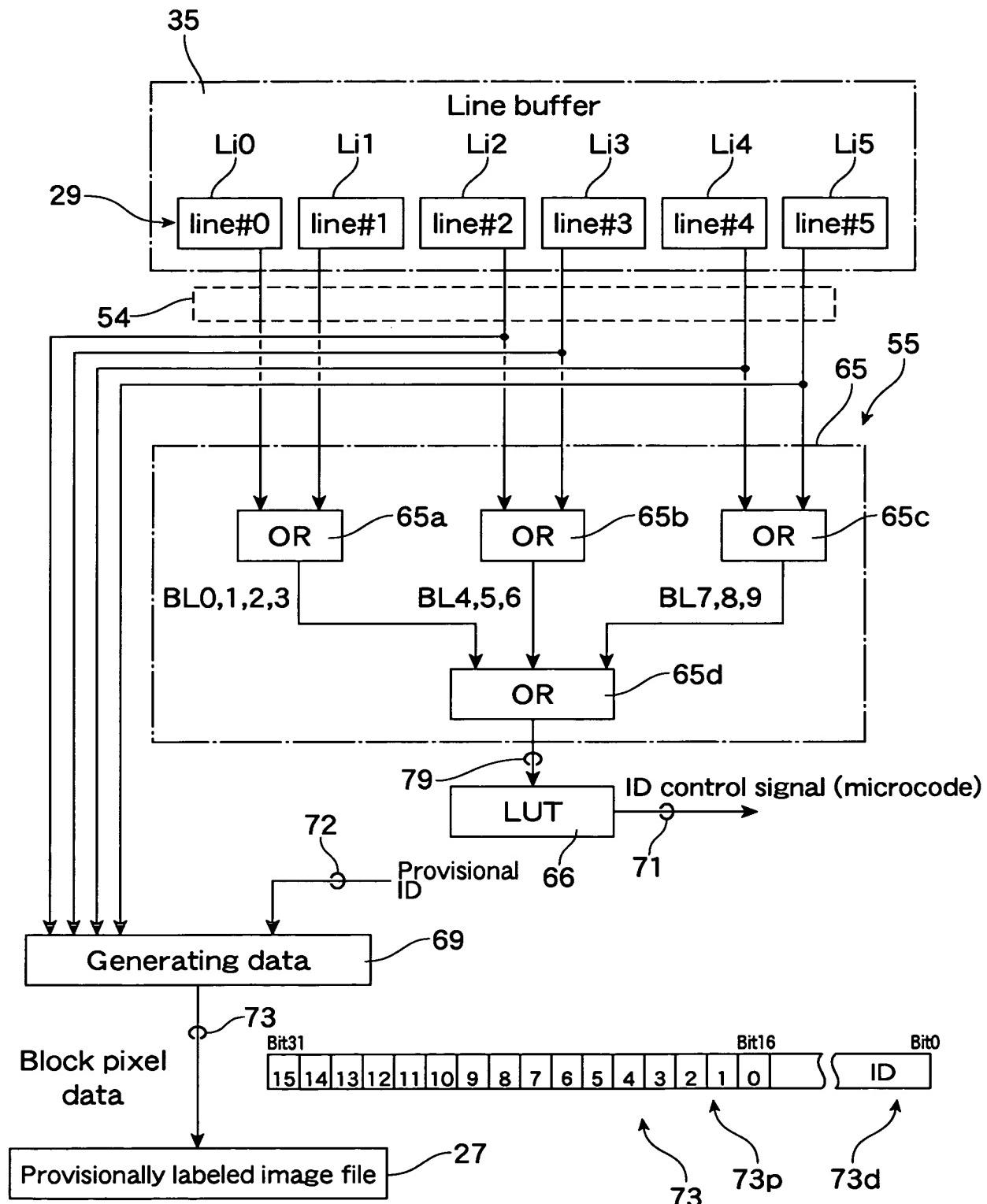


Fig. 13

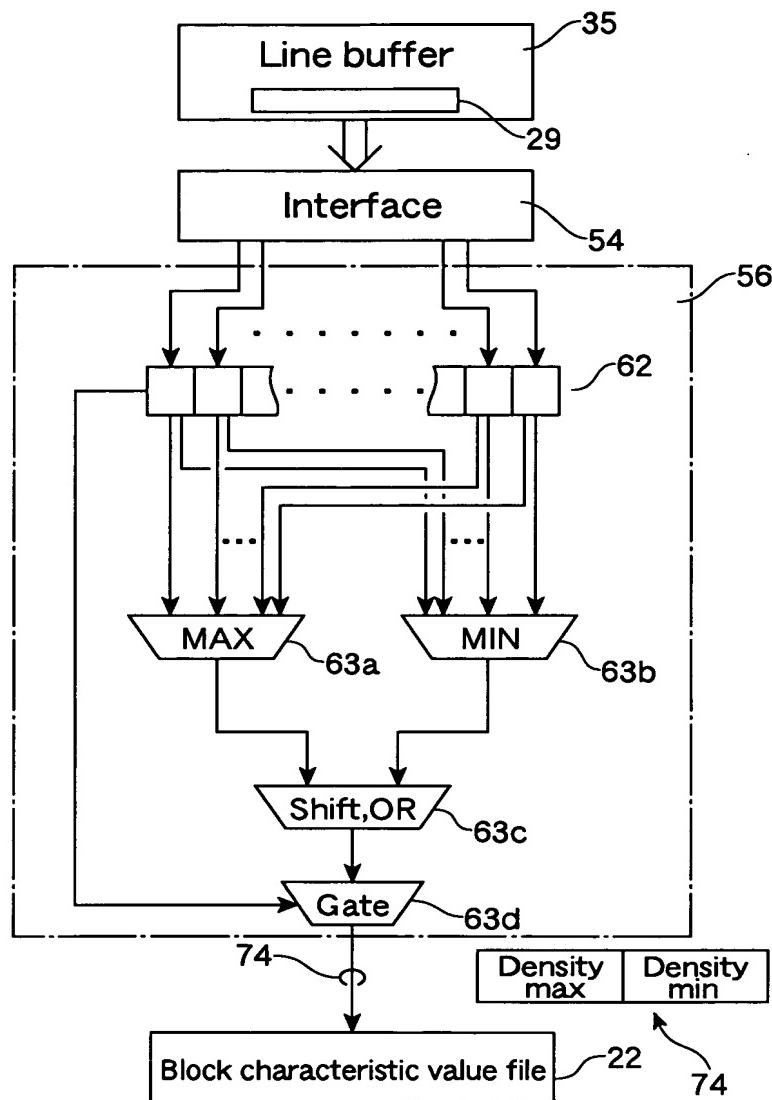


Fig. 14

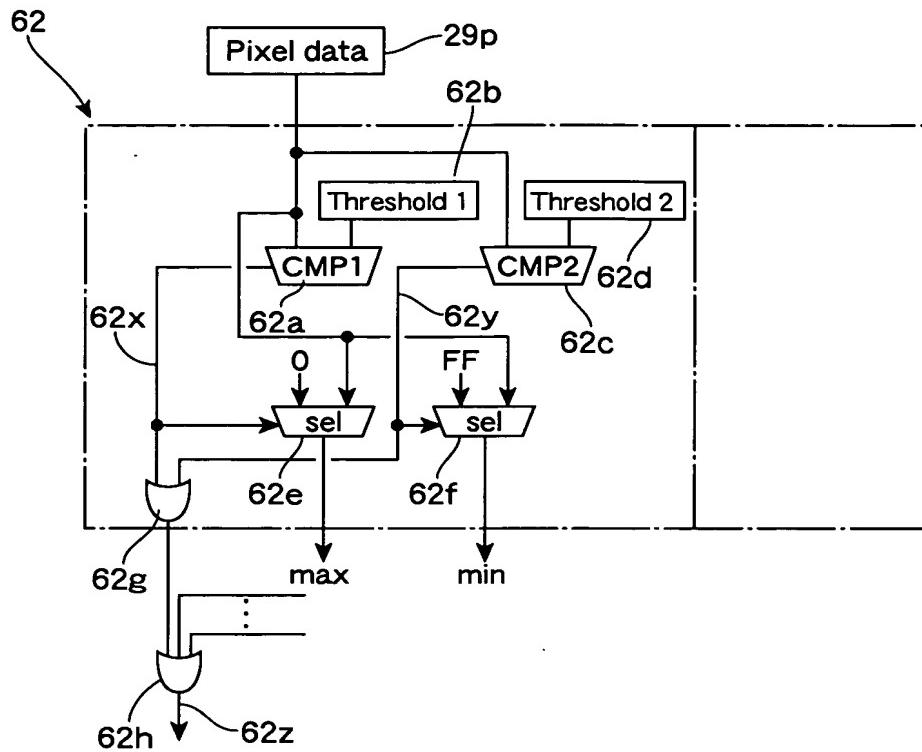


Fig. 15

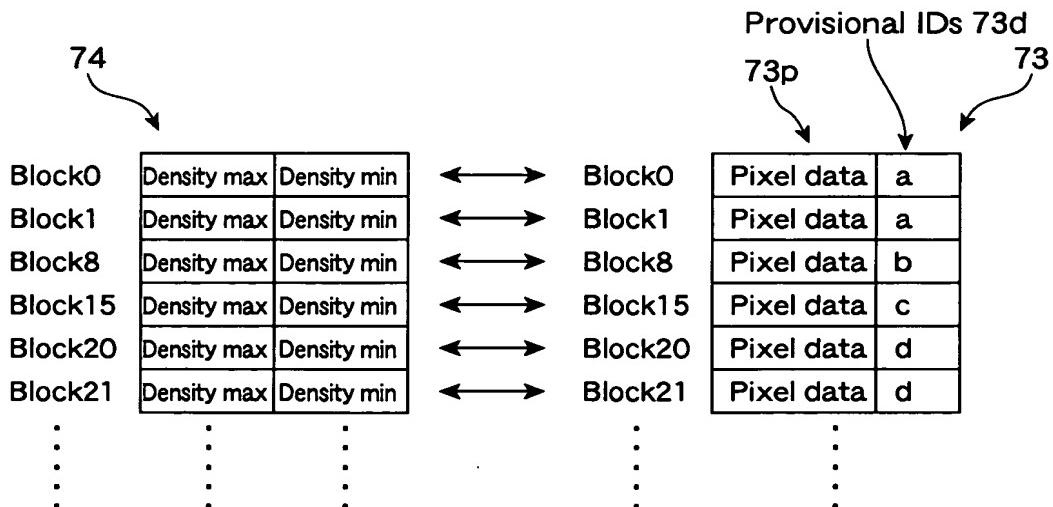


Fig. 16

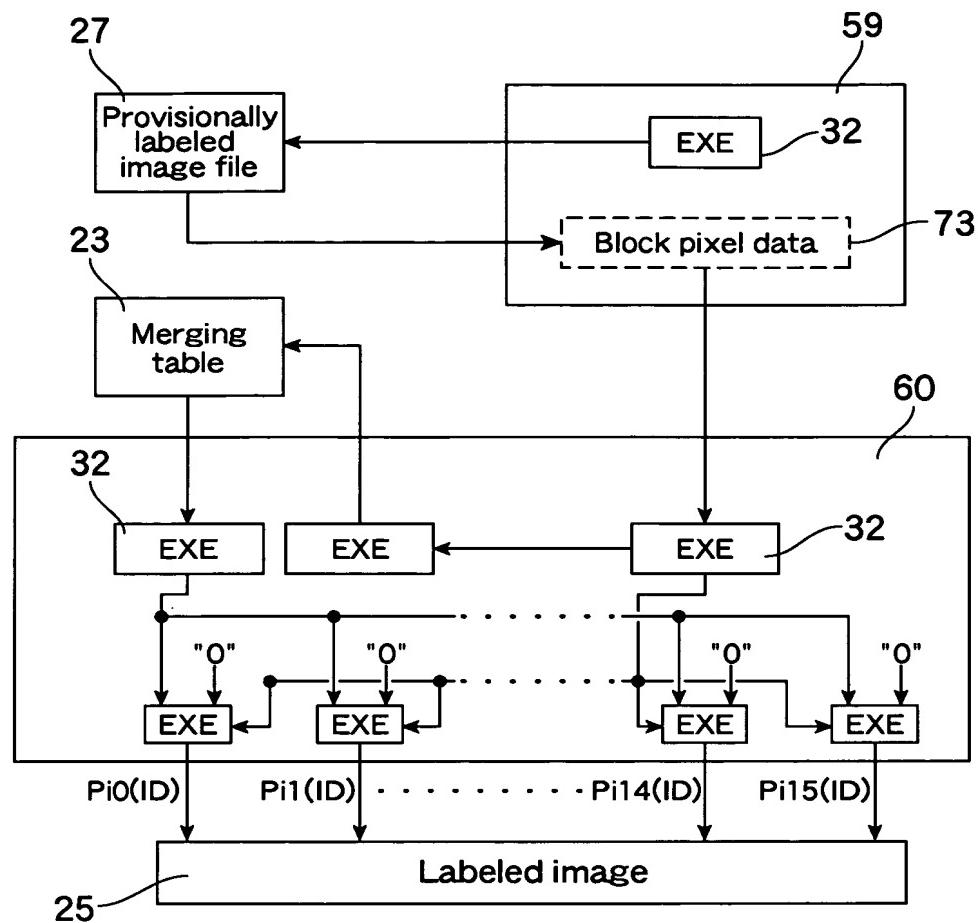


Fig. 17

